



General Assembly

February Session, 2004

***Raised Bill No. 5024***

LCO No. 474

\*00474\_\_\_\_\_GAE\*

Referred to Committee on Government Administration and Elections

Introduced by:  
(GAE)

***AN ACT REDUCING OUTDOOR LIGHT POLLUTION AT STATE BUILDINGS AND FACILITIES.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. (NEW) (*Effective October 1, 2004*) (a) As used in this  
2 section:

3 (1) "Fixture" means the assembly that holds a lamp and may include  
4 an assembly housing, a mounting bracket or pole socket, a lamp  
5 holder, a ballast, a reflector or mirror and a refractor or lens;

6 (2) "Full cut-off luminaire" means a luminaire that allows no direct  
7 light emissions above a horizontal plane through the luminaire's  
8 lowest light-emitting part;

9 (3) "Glare" means direct light emitting from a luminaire that causes  
10 reduced vision or momentary blindness;

11 (4) "Illuminance" means the level of light measured at a surface;

12 (5) "Lamp" means the component of a luminaire that produces the

13 light;

14 (6) "Light trespass" means light emitted by a luminaire that shines  
15 beyond the boundaries of the property on which the luminaire is  
16 located;

17 (7) "Lumen" means a unit of measurement of luminous flux;

18 (8) "Luminaire" means the complete lighting system, including the  
19 lamp and the fixture;

20 (9) "Permanent outdoor luminaire" means any luminaire or system  
21 of luminaires that is outdoors and intended to be used for seven days  
22 or longer; and

23 (10) "State funds" means any bond revenues or any money  
24 appropriated or allocated by the General Assembly.

25 (b) Except as provided in subsection (c) of this section, no state  
26 funds shall be used to install or replace a permanent outdoor luminaire  
27 for lighting on the grounds of any state building or facility unless (1)  
28 the luminaire is designed to maximize energy conservation and to  
29 minimize light pollution, glare and light trespass, (2) the luminaire's  
30 illuminance is equal to the minimum illuminance adequate for the  
31 intended purpose of the lighting, and (3) for a luminaire with a rated  
32 output of more than one thousand eight hundred lumens, such  
33 luminaire is a full cut-off luminaire.

34 (c) The provisions of subdivision (3) of subsection (b) of this section  
35 shall not apply to luminaires on the grounds of any correctional  
36 institution or facility administered by the Commissioner of Correction.  
37 The Commissioner of Public Works, or the commissioner's designee,  
38 may waive the provisions of subdivision (3) of subsection (b) of this  
39 section with respect to luminaires on the grounds of any other state  
40 building or facility when, after a request for such a waiver has been  
41 made and reviewed, the commissioner or the commissioner's designee  
42 determines that such a waiver is necessary for the lighting application.

43 Requests for such a waiver shall be made to the commissioner or the  
44 commissioner's designee in such form as the commissioner shall  
45 prescribe and shall include, without limitation, a description of the  
46 lighting plan, a description of the efforts that have been made to  
47 comply with the provisions of subdivision (3) of subsection (b) of this  
48 section and the reasons such a waiver is necessary. In reviewing a  
49 request for such a waiver, the commissioner or the commissioner's  
50 designee shall consider design safety, costs and other factors deemed  
51 appropriate by the commissioner or the commissioner's designee.

52 (d) The provisions of this section shall not apply to the installation  
53 or replacement of luminaires for which the Secretary of the Office of  
54 Policy and Management (1) conducts a life-cycle cost analysis of one or  
55 more luminaires that meet the requirements set forth in subsection (b)  
56 of this section and one or more luminaires that do not meet such  
57 requirements, and (2) certifies that a luminaire which meets such  
58 requirements is not cost effective and is not the most appropriate  
59 alternative based on the life-cycle cost analysis.

This act shall take effect as follows:	
Section 1	October 1, 2004

***Statement of Purpose:***

To reduce state spending and energy consumption, reduce light pollution and glare, and help restore the night sky.

*[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]*